Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/06/2019 10:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125619	0	1.33	125684	1.34
Blue	F	SSC	125000	124634	-1	1.58	125469	1.56
Blue	E	FITC	16122	15685	-3	2.63	341	19.59
Blue	D	PE	29316	29051	-1	1.76	635	14.05
Blue	B	PerCP-Cy5-5	42590	41913	-2	3.48	1124	19.65
Blue	A	PE-Cy7	33146	32856	-1	5.81	630	38.92
Red	C	APC	45473	45105	-1	2.45	1593	12.44
Red	A	APC-Cy7	31961	30872	-4	2.34	817	12.02
Violet	B	V450	7914	7492	-6	5.19	421	13.61
Violet	A	V500	29769	28762	-4	5.11	670	11.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21620	3.40	603	3	N/A	N/A	Pass
Blue	F	SSC	56775	1.14	548	10	N/A	N/A	Pass
Blue	E	FITC	61	65.09	536	-1	0.0217	188	Pass
Blue	D	PE	132	48.86	539	2	0.1918	322	Pass
Blue	B	PerCP-Cy5-5	209	48.00	641	3	0.0098	60	Pass
Blue	A	PE-Cy7	117	96.94	694	3	0.0120	17	Pass
Red	C	APC	378	25.95	590	11	0.0229	138	Pass
Red	A	APC-Cy7	179	29.26	565	9	0.0056	1140	Pass
Violet	B	V450	65	60.65	463	3	0.0523	2289	Pass
Violet	A	V500	101	34.88	476	4	0.0217	863	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/06/2019 10:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.51	-32.13	0.99
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.51
Red	15.54	13.60 - 20.40	N/A	N/A	29.74	30.09	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9821

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments